

Listing of the Claims:

The listing of claims below is provided as a courtesy. No claims are amended in this document.

1. **(Original)** A method for passing an on-screen display over a serial interface, comprising:
 - detecting at a source device an action requiring an on-screen display at a sink device;
 - encoding the on-screen display at the source device as an isochronous MPEG data stream; and
 - passing said isochronous MPEG data stream carrying said on-screen display to said sink device via said serial interface.
2. **(Original)** A method in accordance with claim 1, wherein:
 - said serial interface comprises an IEEE-1394 interface.
3. **(Original)** A method in accordance with claim 1, further comprising:
 - providing said isochronous MPEG data stream carrying said on-screen display with an associated program identifier (PID);
 - multiplexing the isochronous MPEG data stream carrying said on-screen display and said associated PID with an active isochronous MPEG data stream to provide a multiplexed transport stream; and
 - wherein said isochronous data stream carrying said on-screen display is passed to said sink device in said multiplexed transport stream.
4. **(Original)** A method in accordance with claim 3, further comprising:

modifying a program map table of the multiplexed transport stream to point to the PID of the isochronous data stream carrying said on-screen display rather than a PID of a video component of said active isochronous MPEG data stream.

5. **(Original)** A method in accordance with claim 3, further comprising:
modifying a program map table of the multiplexed transport stream to identify the isochronous data stream carrying the on-screen display as a secondary video source, wherein a video component of said active isochronous MPEG data stream comprises a primary video source.

6. **(Original)** A method in accordance with claim 1, wherein:
the isochronous MPEG data stream carrying said on-screen display and an active isochronous MPEG data stream are provided to said serial interface as separate transport streams to be passed to said sink device; and
audio/video control commands are provided to said serial interface to enable a selection between said active isochronous MPEG data stream and said isochronous MPEG data stream carrying said on-screen display.

7. **(Original)** A method in accordance with claim 1, further comprising:
multiplexing said isochronous MPEG data stream carrying said on-screen display with an active isochronous MPEG data stream to produce a multiplexed transport stream wherein said isochronous MPEG data stream carrying said on-screen display is substituted in place of an active video component of said active isochronous MPEG data stream;
wherein said isochronous MPEG data stream carrying said on-screen display is passed to said sink device in said transport stream.

8. **(Original)** A method in accordance with claim 7, further comprising:

maintaining a program identifier (PID) of said active video component as a PID of the isochronous MPEG data stream carrying said on-screen display.

9. **(Original)** A method in accordance with claim 1, further comprising:
receiving said isochronous MPEG data stream carrying said on-screen display at said sink device; and

decoding said isochronous MPEG data stream carrying said on-screen display to provide said on-screen display.

10. **(Original)** A method in accordance with claim 1, wherein:
said source device comprises a television terminal; and
said sink device comprises a high definition television.

11. **(Original)** A method in accordance with claim 1, wherein:
said on-screen display comprises one of an electronic programming guide, a diagnostic menu, a video-on-demand menu, an advertisement, a pop-up graphic, an alert, a notice, a web page, a stock ticker, or a sports ticker.

12. **(Original)** A method in accordance with claim 1, wherein:
said action comprises one of a user driven action or a software driven action.

13. **(Original)** A method in accordance with claim 1, further comprising:
detecting at said source device an action deactivating the on-screen display;
disabling said passing of said isochronous MPEG data stream carrying said on-screen display to said sink device; and
providing said active isochronous MPEG data stream to said sink device.

14. **(Original)** A source device capable of passing an on-screen display over a serial interface, comprising:

a tuner adapted for receiving an active isochronous MPEG data stream and graphic data for an on-screen display;

a serial interface adapted for communication with a sink device;

a processor adapted for detecting an action requiring an on-screen display at said sink device; and

an MPEG encoder adapted for encoding said graphic data as an isochronous MPEG data stream carrying said on-screen display to enable said isochronous MPEG data stream carrying said on-screen display to be passed to said sink device via said serial interface.

15. **(Original)** A source device in accordance with claim 14, wherein:
said serial interface comprises an IEEE-1394 interface.

16. **(Original)** A source device in accordance with claim 14, further comprising:

a multiplexer; wherein:

said encoder provides said isochronous MPEG data stream carrying said on-screen display with an associated program identifier (PID);

said multiplexer multiplexes the isochronous MPEG data stream carrying said on-screen display and said associated PID with an active isochronous MPEG data stream to provide a multiplexed transport stream; and

said isochronous data stream carrying said on-screen display is passed to said sink device in said multiplexed transport stream.

17. **(Original)** A source device in accordance with claim 16, wherein:

said processor modifies a program map table of the multiplexed transport stream to point to the PID of the isochronous data stream carrying the on-screen display rather than a PID of a video component of said active isochronous MPEG data stream.

18. **(Original)** A source device in accordance with claim 16, wherein:
said processor modifies a program map table of the multiplexed transport stream to identify the isochronous data stream carrying the on-screen display as a secondary video source, wherein a video component of said active isochronous MPEG data stream comprises a primary video source.

19. **(Original)** A source device in accordance with claim 14, wherein:
the isochronous MPEG data stream carrying said on-screen display and an active isochronous MPEG data stream are provided to said serial interface as separate transport streams;

audio/video control commands are provided to said serial interface to enable a selection between said active isochronous MPEG data stream and said isochronous MPEG data stream carrying said on-screen display.

20. **(Original)** A source device in accordance with claim 14, further comprising:

a multiplexer; wherein:

said isochronous MPEG data stream carrying said on-screen display is multiplexed with an active isochronous MPEG data stream to produce a multiplexed transport stream wherein said isochronous MPEG data stream carrying said on-screen display is substituted in place of an active video component of said active isochronous MPEG data stream;

wherein said isochronous MPEG data stream carrying said on-screen display is passed to said sink device in said transport stream.

21. **(Original)** A source device in accordance with claim 20, wherein:
a program identifier (PID) of said active video component is maintained as a PID of the isochronous MPEG data stream carrying said on-screen display.

22. **(Original)** A source device in accordance with claim 14, wherein:
said isochronous MPEG data stream carrying said on-screen display is received at
said sink device via said serial interface; and

said isochronous MPEG data stream carrying said on-screen display is decoded at
said sink device to provide said on-screen display.

23. **(Original)** A source device in accordance with claim 14, wherein:
said source device comprises a television terminal; and
said sink device comprises a high definition television.

24. **(Original)** A source device in accordance with claim 14, wherein:
said on-screen display comprises one of an electronic programming guide, a diagnostic
menu, a video-on-demand menu, an advertisement, a pop-up graphic, an alert, a notice, a
web page, a stock ticker, or a sports ticker.

25. **(Original)** A source device in accordance with claim 14, wherein:
said action comprises one of a user driven action or a software driven action.

26. **(Original)** A source device in accordance with claim 14, wherein:
said processor detects an action at the sink device deactivating the on-screen
display;
said source device disables said passing of said isochronous MPEG data stream
carrying said on-screen display to said sink device; and
said source device provides said active isochronous MPEG data stream to said
sink device.